

ABSTRACT OF THE DISCLOSURE

A first time interval between reference signals is measured when there is no shift in a center of rotation of a recording medium. A second time interval between reference signals recorded on the recording
5 medium is measured when there is a shift in the center of rotation of the recording medium. A correction value of a data write time interval for writing data to the recording medium is computed, based on the first time interval and a second time interval. Data is written to the recording medium based on the correction value.